

19980129.ba v01_n899.bam.980129

>From ???@??? Fri Jan 30 01:40:54 1998
Message-Id: <199801291919.NAA26474@sco.theporch.com>
Date: Thu, 29 Jan 1998 13:19:52 CST
Subject: BOATANCHORS digest 1899

BOATANCHORS Digest 1899

Topics covered in this issue include:

- 1) No Mohawks running loose!?
by "Canfield" <canfield@scci.net>
- 2) Re: Navy RBA Problems/Help
by Al Klase <skywaves@bw.webex.net>
- 3) Re: Long Wire Antenna - A discussion ?
by Stanley Wilson <microres@crl.com>
- 4) R390A Problem Solvdd
by gerald <k6qy@mindspring.com>
- 5) Re: ==>> TV-7C/U = TV-7/U ! <<==
by "Arden Allen" <aallen@sirius.com>
- 6) MERIT A-4015
by "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
- 7) Re: FS: Old Radar manual
by Edward Zeranski <ejz@nosc.mil>
- 8) ?? re VHF "distribution amp"
by Ho4bart <Ho4bart@aol.com>
- 9) Re: Long Wire Antenna - FS Knife switch
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 10) Re: Long Wire Antenna - A discussion ?
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 11) FS: Old Philips litterature
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 12) FS SW litterature
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 13) OT Radio Shacks, was Re: Long Wire Antenna - A discussion ?
by "Roberta J. Barmore" <rbarmore@indy.net>
- 14) 6AK5 future availability?
by Dave Metz <metzd@cfw.com>
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by "JOSE V.GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 16) 50-60hz.
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 17) New Newark Catalogue
by Norm Flasch <flasch@cushy.ece.nwu.edu>
- 18) Antenna discussions belong elsewhere
by listown@jackatak.theporch.com (List Admin/Owner Radio Mail Lists)
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- by Norm Flasch <flasch@cushy.ece.nwu.edu>
20) BC-224/BC-348 History
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by Meir Ben-Dror <mbendror@villagenet.com>
22) Reforming aluminium electrolytics.
by GIBSON@ASTRA.LBL.GOV
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by ARONGV@aol.com
24) RE: Long Wire Antenna - A discussion
by Larry Kayser <kayser@rideau.net>
25) Navy RBA Problems/Help
by jmccarty@lucent.com (John J Mccarty)
26) NEED SX-25 METER
by cormac@quicktel.com (Cormac Thompson)
27) Re: Newark Catalog
by "Arden Allen" <aallen@sirius.com>
28) HW 16 Chasis Needed
by WB9IOG <WB9IOG@revealed.net>
29) Re: Sickles APC trimmer repair
by Michael Hanz <AAFRadio@erols.com>

Date: Mon, 16 Feb 1998 21:11:36 -0600
From: "Canfield" <canfield@sccci.net>
To: <Boatanchors@theporch.com>
Subject: No Mohawks running loose!?
Message-ID: <199801290214.VAA04586@gdi4.gdi.net>

Hey..

Are there no Mohawks(RX-1) running around out there loose? Still need to find one.

Also need a Siltronix1011C w/manual need not work.
thanks
Bill KF4PGU
canfield@sccci.net

Date: Wed, 28 Jan 1998 21:13:51 -0500
From: Al Klase <skywaves@bw.webex.net>
To: jlogin@gville.mindspring.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Navy RBA Problems/Help
Message-ID: <34CFE5DF.8A57B6B5@bw.webex.net>

Bob and The Group,

I saw this same problem some years back in a Navy receiver, might have been a TCS, but memory fails. About 80% of a fairly large number of trimmer suffered this malady. Anyway, I was able to fashion a small "bridge" that allowed me to apply a C-clamp in line with the capacitor shaft, and still have access to the tuning screw. I could then tighten the clamp to bring the plates back into alignment, and apply solder to the tuning screw/collar. Because the collar was hexagonal, it didn't matter that the screw slot was filled with solder. These were APC type trimmers, but were brand-X rather than genuine Hammarlunds.

Hpe this helps,
Al

Bob Login wrote:

>
> Hi Fellow BAers--I hve been working on restoring a RBA-6
> The problem I hve found is that the air trimmers(two in each can)
> are shorted out because the retaining collars have become loose
> and the plates hve moved down and are touching! These are I think called
> APC types?

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Wed, 28 Jan 1998 18:30:05 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: Jeffrey Herman <jeffreyh@hawaii.edu>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Long Wire Antenna - A discussion ?
Message-ID: <Pine.SUN.3.91.980128182711.2492A-100000@crl7.crl.com>

Thanks for the input Jeffery. Will look into that group. I did get some good suggestions from several of the fellows.

HOWEVER,

I was told by the Political Correct list policeman to keep the subject off of this list. After all we do not use antennas on these old boatanchors we just look at them it appears.

cul de stan

Date: Wed, 28 Jan 1998 19:38:55 -0800
From: gerald <k6qy@mindspring.com>
To: r-390@qth.net
Cc: boatanchors@theporch.com
Subject: R390A Problem Solvdd
Message-ID: <3.0.1.32.19980128193855.00688d60@pop.mindspring.com>

I want to thank all who answered my question about hot HR202 xtal.

The problem was solved by following the tips in Chuck Rippel's video.
Removed the RF deck, wouldn't have had the nerve to try without the video,
and cleaned the ground connections and resoldered most of the connections.
Put it back together and it works FB.

HR202 still seems darn hot but guess that is the way it should be.

73 Gerald K6QY@mindspring.com

Date: Wed, 28 Jan 1998 19:52:37 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>, <eb5agv@ctv.es>
Subject: Re: ==>> TV-7C/U = TV-7/U ! <<==
Message-ID: <199801290351.TAA07919@mail2.sirius.com>

> BAD news is that my power transformer is bad: it drawns about 390mA
WITHOUT
> rectifier tubes plugged; in fact, in the workbench, with ALL secondaries
> removed and 93V (nominal voltage) applied to the primary. When aligned to
> match the LINE SET (which is also aligned properly), with rectifier
tubes,
> I get a reading of 550mA. The manual claims 45W (390mA), but WITH tubes.
It
> is not too much, but enough to light the LINE FUSE (and, what is worse,
to
> upset me!).

Do you folks in Spain run on 50 Hz? I wonder if the problem is the TV-7
power transformers are only good for 60-400 Hz. I've heard of this
happening with 60 Hz transformers. Any comments from the cheap seats?

Give your loved ones Gummy Bears.
Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Date: Thu, 29 Jan 1998 00:19:31 -0500
From: "ROBERT W DOWNS, WA5CAB" <RWDowns_WA5CAB@compuserve.com>
To: BOATANCHORS <boatanchors@theporch.com>
Subject: MERIT A-4015
Message-ID: <199801290019_MC2-3110-39A5@compuserve.com>

Group,

Oops! I deleted the digest before I realized that I didn't have Ronnie Hull's e-mail address in my address book. Sorry for the BW.

Don't have the pin out, but specs are as follows:

Primary - 15000 Ohms C.T. & 6900 Ohms C.T. 250 MA
Secondary - 3000, 4000, 5000, 6000 Ohms 300 MA
175 Watts
Suitable modulator tubes listed:
PP800, 809, TX-40, T-55, HK-54, RK-31, HY-40, 811, 807, 812
Sold for \$20.00 in 1950 :-)

73, Robert W. Downs, WA5CAB
RWDowns_WA5CAB@compuserve.com
Houston, TX

Date: Wed, 28 Jan 1998 21:23:24 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: otterstad@inet.uni-c.dk
Cc: boatanchors@theporch.com
Subject: Re: FS: Old Radar manual
Message-ID: <3.0.1.32.19980128212324.00766e08@marlin.nosc.mil>

>Navy model SF-1 radar equipment.
>
>This was made by Submarine Signal Company in Boston,Mass
>for the US Navy.....

Must be time for my annual request:

Anyone have info on a marine DF set by the above company called "The Cape Cod Navigator"? Thanks!

Date: Thu, 29 Jan 1998 01:41:58 EST
From: Ho4bart <Ho4bart@aol.com>
To: boatanchors@sco.theporch.com
Subject: ?? re VHF "distribution amp"
Message-ID: <333ce36d.34d024b8@aol.com>

i found this fairly late model device which because of its industrial looking case will become a HVPS for some ba xmtr -- and just looking inside i was surprised by the variety of bulbs, i had expected to see only 1 type & some thing like 12AT7 or such. i saw among the tubes 6DJ8 and 6EJ7. now why would this thing use a sharp cutoff tube like the 6EJ7 and not its remote cutoff twin, 6EH7 ??
does this device have any practical use in its original role, for the ham / SWL ? i don't need to feel any guilt about emptying it out to make it into a PS ?
tnx, hue

Date: Thu, 29 Jan 1998 09:21:42 +0100
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Long Wire Antenna - FS Knife switch
Message-ID: <199801290847.JAA00845@inet.uni2.dk>

>I just found an old knife switch in my basement, with big porcelain insulators. This one has never been on a ship. I acquired it some 40 years ago as an apprentice on a factory in Oslo making radios for the Norwegian merchant navy, which at the time was one of th biggest in the world.

Somebody out there needing it ?

73 Rag OZ8RO

Rag Otterstad OZ8RO Copenhagen suburb: Birkerod
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all periods, cipher equipment.

Adress: Hosterkobvej 10. DK 3460 Birkerod, Denmark

Tel : ++45-4281 5205 evenings. ++45-4497 3366 daytime.

I work for MEC A/S, manufacturer of high quality and good looking pushbutton switches.

If you are designing electronics equipment and have an interest in switches please check the homepage at :

[HTTP://WWW.MEC.DK](http://WWW.MEC.DK)

To know more about my ham radio background try my personal homepage :

[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8RO/](http://WWW.WEBSPAWNER.COM/USERS/OZ8RO/)

Date: Thu, 29 Jan 1998 09:18:18 +0100

From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>

To: <jeffreyh@hawaii.edu>, "Old Tube Radios" <boatanchors@theporch.com>

Subject: Re: Long Wire Antenna - A discussion ?

Message-ID: <199801290847.JAA00824@inet.uni2.dk>

>

> Just a note regarding the definition:

> For a long wire antenna to really be a "long wire antenna" is has

> to be at least one wave length. So 150 feet on say, 160 or 80m, would

> not fit the definition.

>

With only 2 feet I feel handicapped. But my LW is 80 meters long ! hi

73 Rag OZ8RO

PS

Please join the world and go metric !

> Rec.radio.amateur.antenna would have lots of folks anxious to give

> you data regarding this antenna.

>

> Jeff KH2PZ

>

Date: Thu, 29 Jan 1998 10:41:00 +0100

From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>

To: "Old Tube Radios" <boatanchors@theporch.com>

Subject: FS: Old Philips litterature

Message-ID: <199801290937.KAA17156@inet.uni2.dk>

I have a nice hardcover collection from 1948 of Philips " Electronic Application Bulletin ". 284 pages
This is a pretty unique piece of litterature.English language version.
The introduction page says :

The Electronic Application Bulletin for the Electronic equipment and set-making industries has been planned to give valuable technical information etc.
The EAB is not for sale and we therefore advice our readers to take care of their personal copies.

Evidently this is a limited edition publication.

Anybody interested please email me

73 Rag OZ8R0

Rag Otterstad OZ8R0 Copenhagen suburb: Birkerod
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all periods, cipher equipment.

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I work for MEC A/S, manufacturer of high quality and good looking pushbutton switches.
If you are designing electronics equipment and have an interest in switches please check the homepage at :
[HTTP://WWW.MEC.DK](http://WWW.MEC.DK)

To know more about my ham radio background try my personal homepage :
[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8R0/](http://WWW.WEBSPAWNER.COM/USERS/OZ8R0/)

Date: Thu, 29 Jan 1998 12:37:30 +0100
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: "boatanchors" <boatanchors@theporch.com>
Subject: FS SW litterature

Message-ID: <199801291134.MAA23194@inet.uni2.dk>

Just found a handbook for listeners in my bookshelf:

Shortwave Listening with the Experts . by Gerry L.Dexter.

In " mint condition ". 20 dlr\$ shipped

73 Rag OZ8RO

Rag Otterstad OZ8RO Copenhagen suburb: Birkerod
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all
periods, cipher equipment.

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[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8RO/](http://WWW.WEBSPAWNER.COM/USERS/OZ8RO/)

Date: Thu, 29 Jan 1998 08:27:21 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Stanley Wilson <microres@crl.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: OT Radio Shacks, was Re: Long Wire Antenna - A discussion ?
Message-ID: <Pine.SUN.3.96.980129073800.20464C-100000@indy3>

Hi!

I'm not going to talk about antennas; we have come here to feed skywires, not debate 'em. (Apologies to ol' Bill Shakespear).

Nope, leave us instead to look at what the OTs did when the wire came up to the shack. I'm going to use high-zoot early '30s ham & OT shipboard practices as a model. (You wanna hear about modern shipboard methods, ask Sandy).

Thing one: a stout feedthrough was used to get through the wall. Drilled glass (Pyrex) cups, often on a drilled windopane, were a typical ham low-cost equivalent. Four rubber washers make 'em weatherproof. Threaded brass or copper rod clamps the whole thing together and provides the conductor.

Thing two: a large and heavy "grounding switch" was installed between antenna lead-in and ground right where the wire entered the building (inside or outside, your choice); typical recommendations (1930 ARRL Handbook) call for a minimum break distance of 4" (10 cm, Rag) and a cross-sectional area of .0625 square inches (0.403 square cm, Rag, but don't quote me, I'm iffy on this one); more is better. This switch is closed whenever the station's shut down! (And FWIW, it was often required by Code).

The third thing: the feedline is run inside the shack by using a very heavy conductor (1/4" [0.64cm] soft-drawn copper tubing, fat wire, etc) supported at frequent intervals by glass or ceramic insulators at least 4" (6" isn't atypical) (umm, 10 to 15 cm, Rag) tall and kept well clear of everything. (See any photo of W1MK prior to the East coast flood). You keep it away from everything but the tuner, and you don't lean on it and the key at the same time! (Main reason for big conductor is not current, it's so it'll stay put!)

And them's the things. If you can arrange to bring the feeder(s) in right near the shack (and up pretty high), it's safer and not unattractive. 1930s practices do assume you will use your head--in the days before massive safety regulations folks were credited with not being idiots (and some of 'em exceeded their credit limits!).

Now, folks will be saying, "But that calls for a lot of hen's-tooth unobtainium!"

It does *not.* They sell Pyrex cups (used for baking--yum, popovers!) at the corner grocery & all the dime stores (in the US: Target, K-mart, Wal-Mart, etc.) and old HBs will tell you how to drill it. Small Parts, Inc. is but one source of brass rod; thread it yourself, it's good for the soul (or buy a big brass bolt from a large threaded-fastener supplier). MAI/Prime Parts here in Indianapolis has got some nice *big* SPST unbased knife switches (and they're not hard to *make;* consider fuse clips and 1/4" brass rod, for instance, and you can scale up or parallel if need be). Fair Radio has got nice big stand-off insulators with mounting feet, and soft-drawn copper tubing can be bought by the foot at most any

hardware store.

Note: you cannot run a single-wire feeder around with impunity. It can be *very* high impedance and will zap everything you give it a chance to zap. A useful refinement to the grounding switch is to use another (or a DPST) to *open* the line to your tuner when the antenna is grounded. And last but not least, some modern tuners are not happy with really high feedpoint impedance; if you have to use a new one and are running in excess of 100W, get the high power version!

It is probably possible to wind a static drain choke, to cut down on the amount of induced zappage from distant storms--look in the Handbooks for something useful in a high-power amp with pretty high plate Z and be ready to accept that it still may arc over or melt down while you're refining the design. Z of the choke at your operating frequency has to be 5X or more the feedpoint Z, or it will get warm. (You wanna run during *nearby* thunderstorms, you're on your own--see above in re credit limits!)

73,
--Bobbi

(Who was *not* talking about antennas).

Date: Thu, 29 Jan 1998 08:26:29 -0500
From: Dave Metz <metzd@cfw.com>
To: boatanchors@theporch.com
Subject: 6AK5 future availability?
Message-ID: <2.2.32.19980129132629.00697f3c@milo.cfw.com>

I recently used a couple of my stashed 6AK5's in a newly acquired R390A--one of those St Julians Creek jobs. I thought I would see what they are running lately to know how careful one should be with them. Imagine my surprise to see that they are a "Call" item in the latest AES catalog and they were something like \$3 last year. (Dex---don't worry, I know you are there!) What gives, are these going to become a shortage tube that the audio crowd is hoarding too?

73's
dave

Date: Thu, 29 Jan 1998 14:50:57 +0100
From: "JOSE V.GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>

To: metzd@cfw.com
Cc: "Boatanchors List" <boatanchors@sco.theporch.com>
Subject: Re: 6AK5 future availability?
Message-ID: <3.0.1.32.19980129145057.006adb54@192.168.0.1>

Hi Dave,

Last August I saw an offer of NIB 6AK5W tubes at \$0.4 each. So I bought 20 of them to have some spares around... I doubt these will become scarce in short time, but, anyway, probably that source still has some hundreds (or perhaps thousands!). If anybody is interested, please, let me know.

Best regards.

JOSE

73 EB5AGV / EC5AAU
JOSE V. GAVILA
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

<http://www.geocities.com/SiliconValley/6992/>
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

Date: Thu, 29 Jan 1998 09:17:01 -0500
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: <boatanchors@theporch.com>
Subject: 50-60hz.
Message-ID: <0819a5717141d18UPIMSSMTPUSR02@email.msn.com>

The transformer problem doesn't seem to be freq. connected. At best if the transformer was designed for 50hz it would draw less current because of the added iron and windings. Usually the only problem with 50hz devices is if they use the line frequency for synch in some schemes (e.g. early TV's before sandstate). I wonder if you ever tried firing up the transformer with only the primary connected and checked current & voltages? This would isolate the problem.

Hope it helps;

Paul Bernhard Sr.
w2tu@msn.com

Date: Thu, 29 Jan 1998 08:34:28 -0600 (CST)
From: Norm Flasch <flasch@cushy.ece.nwu.edu>
To: boatanchors@sco.theporch.com (ba)
Subject: New Newark Catalogue
Message-ID: <199801291434.IAA17206@cushy.ece.nwu.edu>

Well, I just received the new Newark catalogue #116. Some old favorites are still there. The Simpson 260-8 family is alive and well :-) Richardson tubes as well. I thought they were going out to the tube business. Is this just their remaining stock? I see a 1L4, 2D21, 5AR4, 6AU6, 6H6, 6J7, 6SL7, 6X4, 6Y6 and 7F7. There is a great selection of capacitors to 450 WVDC. There are probably higher ratings, but I did not look too hard. They have carbon comp resistors to 750 VDC, but you need to order them in multiples of at least 25.

For Newark, this is their best catalogue ever. The pages are much larger and easier to read. Many are in color. The catalogue is also available on CD. Newark must have been impressed with the new Tech America catalogue. So, they did some updating to keep current. In all, a great source of electronic parts.

--
Norm Flasch flasch@ece.nwu.edu Northwestern University
 Electrical and Computer Engineering

Date: Thu, 29 Jan 1998 9:30:42 -0600 (CST)
From: listown@jackatak.theporch.com (List Admin/Owner Radio Mail Lists)
To: boatanchors@sco.theporch.com
Subject: Antenna discussions belong elsewhere
Message-ID: <199801291530.JAA20278@jackatak.theporch.com>

Gang-

PLEASE take the antenna discussions to a more appropriate forum.
rec.radio.amateur.antenna
leaps to mind...

General questions and discussions about antennas and current operating practices do NOT have a place on the BoatAnchors list.

This list functions because it is FOCUSED, and attempts to destroy

that focus and divert the list into off-topic threads *WILL* be dealt with harshly, in order to protect those who remain here to discuss old tube radios and topics *DIRECTLY* related to old tube radios.

In case someone mistakenly feels I am halting the antenna topics because they are not of personal interest, you could NOT be more wrong!

I am passionately interested in antennas, but I take the discussions to more appropriate forums and do not burden the BoatAnchors list with off-topic posts...

Please respect the list and the other 700+ subscribers and help maintain the focus... if you want to discuss something that is off-topic that somehow "leaks" onto the list, do it in *PRIVATE* email and NOT to the list!

Thanks for the understanding... now back to Fire Bottles!

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

Date: Thu, 29 Jan 1998 09:42:14 -0600 (CST)
From: Norm Flasch <flasch@cushy.ece.nwu.edu>
To: boatanchors@sco.theporch.com (ba)
Subject: Newark 800 number
Message-ID: <199801291542.JAA17315@cushy.ece.nwu.edu>

Newark's phone number is 1-800-4-NEWARK (1-800-463-9275).
Yes, they do carry a great selection of orange drops to
1600 wvdc on page 82.

--

Norm Flasch flasch@ece.nwu.edu Northwestern University
 Electrical and Computer Engineering

Date: Thu, 29 Jan 1998 08:02:32 -0800
From: Ken Corwin <kenc2@pacbell.net>
To: Boatanchors at the Porch <boatanchors@theporch.com>
Subject: BC-224/BC-348 History
Message-ID: <34D0A818.2904@pacbell.net>

Hello, Everyone -

Yesterday, I advised you that Revision 9 of the 348.history file was in the BA archive. I made a mistake.

The correct filename is: bc348.history

This file may be retrieved by sending an e-mail message, without subject or signature, to: listproc@theporch.com

In the body of the message, state: get boatanchors bc348.history

I apologize for my mistake and any inconvenience it may have caused.

Still looking for the owner of a BC-348-B...

Ken Corwin, KF6NUR <kenc2@pacbell.net> Santa Clarita, Calif.

Date: Thu, 29 Jan 1998 11:32:33 -0500 (EST)
From: Meir Ben-Dror <mbendror@villagenet.com>
To: boatanchors@theporch.com
Subject: WTB: Hallicrafters HT-44 transmitter
Message-ID: <199801291632.LAA26017@villagenet.com>

Fellow hollow-staters,

I'd like to buy a Hallicrafters HT-44 transmitter in a decent shape, for my own collection and use.

Meir Ben-Dror, WF2U

mbendror@villagenet.com

Date: Thu, 29 Jan 1998 8:36:53 -0800
From: GIBSON@ASTRA.LBL.GOV
To: boatanchors@theporch.com
Subject: Reforming aluminium electrolytics.
Message-ID: <980129083653.27e0089f@ASTRA.LBL.GOV>

One way to reform electrolytics is to connect them to a power supply through a high wattage (25W) 10K resistor which is not touching any combustible

material. Turn the voltage up immediately to the working voltage and come back in 15 mins. If the voltage across the resistor is less than one volt then the cap is OK but be sure to measure the capacity as well.

This way you do not have to nurse each cap through reforming if there are dozens to check. Also if a cap decides to short in the middle of reforming there is not enough energy for it to explode.

John Gibson.

Date: Thu, 29 Jan 1998 11:43:09 -0500 (EST)
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: Heathkit HW-32 For Postage
Message-ID: <980129114309_1795517025@mrin51.mx>

Hi Gang:

Cleaning out the garage, I came across a Heathkit HW-32 20 meter transceiver I had long since forgotten about.

Hate to treat ham gear like this, but in my defense, the Xyl covered it up with some of her stuff, and it was out of sight, which was just fine by her!

Anyway, it is intact, no mods, front panel looks VG, case could use a repaint. No PS.

I seem to recall it had a problem, but as I no longer have a HP-23, I can't power it up to give any details. However foggy my memory is, it wasn't a catastrophic problem.

Needs a new home where it will get better treatment, especially someone looking for a not-too-tough winter project.

The price? Just the cost of shipping from Shawnee, Kansas to your own petting zoo.

And to keep my manners intact, if I get lots of response, I will just post a "it's got a new home" message. If there aren't many who respond, I'll notify each individually, and not the whole list.

Any takers? It's a cute little orphan rig that needs home.

73s Ron W00IZ

Date: Thu, 29 Jan 1998 11:37:54 -0500
From: Larry Kayser <kayser@rideau.net>
To: boatanchors@theporch.com, microres@crl.com
Subject: RE: Long Wire Antenna - A discussion
Message-ID: <2.2.32.19980129163754.006f2574@rideau.net>

stan ak0b

>I have used them on and off over the years. They do work, however,
>they come with a lot of negatives. I am interested in what others have
>done to reduce some of these problems.

>I call anything longer than 150 ft a long wire. I normally use about
>200 ft with a 20 to 30 ft feed line.

>Problem 1: I have experienced very high RF voltages at the end feed
>in one case it was so high that the antenna insulator on the tuner was
>actually burned up due to high voltage arcing.

Theory says this is not a problem, you are experiencing exactly what the good book expects you to see. ANY antenna that is an EVEN number of quarter waves long will have a VERY high input impedance when end fed. The impedance will be, depending on some factors up to 6000 Z-ohms or so, current is tiny, VOLTAGE IS LARGE. If you want low voltage and HIGH current keep your antenna to a length of ODD multiple of quarter waves.

Problem 2: If there is a summer rain storm within 20 miles one can draw a static electric arc off of the antenna.

Put an old high power RF transmitter choke across the antenna to ground, problem gone.

Problem 3: The feed line has to pass through the wall into the house and requires routing to the antenna tuner. I have located a tuner at this point and ran coax on to the transmitter, but if I want to move around in the bands I have to go to the tuner to re-set.

Yup, ur right again, that is the price to pay. If you try to use one of the low impedance Series C, Parallel L, Series C tuners you will also experience high losses and poor performance. I can always tell when I have messed up with the tuner design, the RF from all my computers here will get to the RX by wandering up the feedline outer conductor and coming back down the center conductor from an out of control or high loss tuner.

When I lost all my antennas here in the ice storm (both at home and at my remote station) I threw up a 130 ft long wire, end fed. My CLC antenna tuners would not do the job, lots of heat at 100w and lots of noise from the

computers. Taking a lesson from the old Pre War (II) Handbook by Frank Jones (now SK) I threw together a parallel tuned coil tuner with a high voltage 150 pf Cap and a 3 inch diameter coil. A 150 pf low voltage C in series tunes the multi turn LINK. DO NOT GROUND THE BOTTOM END OF THE PARALLEL CIRCUIT, connect the long wire to the top of the coil.

Using my MFJ 207 meter and my counter I can get 1/1 SWR in about 15 seconds, sometimes on some bands I have to tap the antenna down the coil say 25% but that is only a couple of quick dips to find the right place.

I use an MFJ-931 tuner on the ground side of the link to feed a long counterpoise that lays on the snow (ground in a few months). This sucks even more RF out of the shack. You can not tune the 931 with the 207 and Counter combo, what I do is tune it for maximum current with a remote keying lead to the TX at 50 or 100w output.

>Any suggestions ? I am about to put up a new one and have consider
>feeding it off center like a single wire fed window.

A single wire feeder into the shack is tricky, very tricky. I once spent months chasing a noise problem using such an antenna that came right into the shack. I nearly went nuts as the noise seemed to move with me. When I took my early digital watch off and left it in the next room the problem went away.

The antenna tuner I described above is at the far end of 50 ft of coax from my shack to a basement window on the far side of the house, yup I run back and forth if I move very far but that is the price I agreed to pay when I threw up the 130 ft of wire....

Questions?

Larry
VA3LK / WA3ZIA

Date: Thu, 29 Jan 1998 12:07:53 -0600
From: jmccarty@lucent.com (John J Mccarty)
To: boatanchors@theporch.com
Subject: Navy RBA Problems/Help
Message-ID: <199801291807.MAA25649@nwsgpa.ih.lucent.com>

Bob and The Group

I've been seeing this problem alot lately. First time I saw it was about a year ago on a TCS. The hexagonal "nut" had come loose which allowed the plates of the cap to short. Pressing the nut back on did not help, it kept slipping back off. I was able to fix it by looping sewing thread twice through the nut, and giving it a coating of lock-tite. I pressed the nut back on, and it stayed in place. About 2 months ago, I found 4 trimmer caps in my BC-348 which were shorted. Here, the nuts were fractured, and no amount of thread and lock-tite would help. Luckily, these were not "speciality" units like those in the TCS I.F., and I was able to replace them with units from my junk box.

Good Luck + 73

John McC.
n9hrt
jmccarty@lucent.com

Date: Thu, 29 Jan 1998 05:23:41 -0800
From: cormac@quicktel.com (Cormac Thompson)
To: boatanchors@theporch.com
Subject: NEED SX-25 METER
Message-ID: <34D082DD.4607@quicktel.com>

Fellow BA'ers:

I need a working S-meter for an SX-25 I am restoring. Mainly I need the meter movement itself which is Hallicrafters part no. 82-005. I have a face plate and meter housing already. Complete or parts welcome.

Thanks & 73

Cormac, W7JHS cormac@quicktel.com
1-888-786-3099 Prosser, WA

Date: Thu, 29 Jan 1998 10:49:56 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Newark Catalog
Message-ID: <199801291848.KAA25946@mail1.sirius.com>

Newark is now owned by Farnell, UK's version of themselves. You can get a Farnell catalogue (notice spelling) through Newark. I think they are avoiding repeating the Tandy/Allied Radio fiasco.

Give your loved ones Gummy Bears.

Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Date: Thu, 29 Jan 1998 13:08:48 -0800
From: WB9IOG <WB9IOG@revealed.net>
To: boatanchors@theporch.com
Subject: HW 16 Chasis Needed
Message-ID: <34D0EFE0.3B26@REVEALED.NET>

Last summer I picked up a HW16 very cheap as it had rust on the top of the chasis but looked 9+ on the exterior. The inside was the best wiring I've ever seen in a Heath.
Anyone have a bare chasis or junker W/O rust that I could move the parts to for a better restoration?

Mike

Le Claire, Ia

Date: Thu, 29 Jan 1998 14:17:57 -0800
From: Michael Hanz <AAFRadio@erols.com>
To: boatanchors@sco.theporch.com
Subject: Re: Sickles APC trimmer repair
Message-ID: <34D10015.340@erols.com>

> ...The hexagonal "nut" had come loose
> which allowed the plates of the cap to short. Pressing the nut
> back on did not help, it kept slipping back off.

There are several different types of locking materials available. Loctite has one for bearings and bushings (Loctite 609) that I find works much better for this purpose than thread lockers - seems to "bridge" wider gaps better. It also has the "red" formulation which takes 300 degree baking to remove, as opposed to their "blue" type which removes with appropriate torque at room temperature. I've used this retaining compound on these trimmers a number of times with good success. You DO have to hold it together for a minute until it initially hardens, and resist the temptation to turn them for a day or so. The only tricky part is to make sure it doesn't run down into the shaft bearing, which will then make later adjustment somewhat problematical! :-) If you wipe it into only the hex fitting with a Q tip, you shouldn't have a problem...the assembly

process will then push any excess upward into the hex sleeve bore, not down into the shaft bearing.

73,

--

Mike Hanz KC4TOS
Herndon, VA
AAFRadio@erols.com

End of BOATANCHORS Digest 1899
